\$ 1634



PATENT 0147-0201P

# IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

GUT, G. et al.

Conf.:

8231

Appl. No.:

09/555,971

Group:

1634

Filed:

November 14, 2000

Examiner: WU, FRANK

For:

METHOD FOR THE IDENTIFICATION OF NUCLEIC

ACIDS BY MEANS OF ELECTROSPRAY MASS

SPECTROMETRY

## SMALL ENTITY TRANSMITTAL FORM

 Assistant Commissioner for Patents Washington, DC 20231

March 31, 2003

Sir:

Transmitted herewith is an amendment and Sequence Listing (both paper & CRF copies) in the above-identified application.

- Applicant claims small entity status under 37 C.F.R. § 1.27.
- ☐ The enclosed document is being transmitted via the Certificate of Mailing provisions of 37 C.F.R. § 1.8.
- ☐ The enclosed document is being transmitted via facsimile.

The fee has been calculated as shown below:

|  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |   | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR |   | PRESENT<br>EXTRA | RATE  | ADDITIONAL<br>FEE |
|--|---|---|---|---|------------------|-------|-------------------|
| TOTAL                                  | 20  | - | 21  | = | 0                | \$ 9  | \$0.00            |
| INDEPENDENT                            | 3   | - | 3   | = | 0                | \$ 42 | \$0.00            |
| FIRST PRESENTATION OF A MULTIPLE CLAIM |   |   |   |   |                  | \$140 | \$0.00            |
|  |   |   |   |   |                  | TOTAL | \$0.00            |

Appl. No. 09/555,971

|   |                                     | •   | Appr. No. (   | 19/555,9/.              |  |  |  |  |  |
|---|-------------------------------------|---|---|-------------------------|--|--|--|--|--|
|   |                                     | Petition for five (5) month 37 C.F.R. §§ 1.17 and 1.136 time.   | (s) extension of time pu<br>(a). \$985.00 for the ext | irsuant to<br>ension of |  |  |  |  |  |
|   |                                     | No fee is required.   |   |                         |  |  |  |  |  |
|   | $\boxtimes$                         | Check(s) in the amount of \$985.00 is(are) enclosed.  |   |                         |  |  |  |  |  |
|   |                                     | Please charge Deposit Accou<br>\$0.00. This form is submitted   | ent No. 02-2448 in the ed in triplicate.              | amount of               |  |  |  |  |  |
| • | overp<br>fees                       | If necessary, the Commission urrent, and future replies, payment to Deposit Account required under 37 C.F.R. nsion of time fees.  | to charge payment or c<br>No. 02-2448 for any a       | redit any               |  |  |  |  |  |
|   |                                     | Resp  | ectfully submitted,                                   |                         |  |  |  |  |  |
|   | BIRCH, STEWART, KOLASCH & BIRCH, LI |   |   |                         |  |  |  |  |  |
|   | BAN Kulpun Red W # 46,183           |   |   |                         |  |  |  |  |  |
|   |                                     | Le  | eonard R. Svensson, #30,                              | 330                     |  |  |  |  |  |
|   |                                     | KR/sml Fall   | Box 747<br>s Church, VA 22040-0747<br>) 708-8555      |                         |  |  |  |  |  |
|   | Attac                               | chment(s)   |   |                         |  |  |  |  |  |
|   |                                     |   |   | (Rev. 01/13/03)         |  |  |  |  |  |
|   | class n<br>Commis                   | by certify that this correspondence is being sed with the United States Postal Service as first mail, postage prepaid, in an envelope to: ssioner of Patents and Trademarks, Washington (Date of deposit) |   |                         |  |  |  |  |  |
|   | BIRCH STEWART, KOLASCH & BIRCH, LLP |   |   |                         |  |  |  |  |  |



PATENT 147-201P

#### IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

GUT, G. et al.

Conf.: 8231

Appl. No.:

09/555,971

Group: 1634

Filed:

November 14, 2000

Examiner:

Wu, Frank

For:

METHOD FOR THE IDENTIFICATION OF NUCLEIC

ACIDS BY MEANS OF ELECTROSPRAY MASS

**SPECTROMETRY** 

# REPLY TO RESTRICTION REQUIREMENT

Assistant Commissioner for Patents Washington, DC 20231

March 31, 2003

Sir:

In response to the Restriction Requirement dated September 30, 2002, the period for response having been extended three (3) months to Sunday, March 30, 2003, the following amendments and remarks are offered in connection with the above-identified application.

## **AMENDMENTS**

### In the Specification:

Please replace the description for "Example 7: Coating of a microtitre plate with protein" on page 17 with the following:

--The surface of a microtitre plate is coated with Gene32, a protein that non-specifically binds single-stranded DNA. After coating the target with this protein, an array of target DNAs can be put onto it. If the array of the target DNAs consists of cDNA, these were primed with oligo-dT (e.g. dTTTTTTTTTTTTTTTTTTTTTT) (SEQ ID NO. 1) in this PCR. Oligo-dT interacts heavily with Gene32. The covalent coupling of the oligo-dT to Gene32 may be achieved by means of photocrosslinking with short UV light <sup>29,30</sup>. After this immobilization, a library of probes may be used for analyzing the target DNA in the above-described way. Use may also be made of sequence-specific protein/DNA interaction (e.g. GCN4/AP1).—